

ABSTRACT

for

TRANSMITTER LINEARIZATION

A method for defining correction parameters used in transmitter linearization executed by a predistortion method and a transmitter comprising: sampling means for sampling the signal coming out of the transmitter, a predistorter for predistorting the signal to be sent to compensate the nonlinearity of the transmitter, the transmitter also comprising: categorization means for categorizing into predefined classes signal samples taken from the signal coming out of the transmitter, comparison means for comparing the signal samples with the corresponding ideal signal values, and definition means, responsive to said comparison means, for defining amplitude and preferably phase correction parameters for each class in question, whereby the predistorter is arranged to use said correction parameters when predistorting the signal being transmitted.